Cruise Narrative

Sale Name:	Tower	Region:	Pacific Cascade
App. #:	30-076209	District:	St. Helens
Lead cruiser:	Derwood Duncan III	Completion date:	July 15 th , 2004
Other cruisers on sale:	Marvin Kirner and Chuck	s Backman	

= t acreage specifications:

Unit #	Cruised acres	Cruised acres agree with sale acres? Yes/No	If acres do not agree explain why.
1	68	Yes	N/A
Total	68	N/A	N/A

<mark>=</mark>lt cruise specifications: Unit # ${\tt Sample}$ Expansion Sighting Grid size Plot Total type factor height (Plot ratio number of (VP, FP, ITS, 100%) (BAF, full/ (4.5 ft, spacing or (cruise: plots 16 ft.) % of area) count) half) 22cr, 41CO 1 VΡ 54.45, 4.5 440 X 100 Cr1, Co2 Total 63 Full

=le/Cruise Description:										
Minor species cruise intensity:	Cruis	Cruised all Minor Species trees within cruise plots.								
Minimum cruise spec:	Cruis	Cruised all trees to 40% of form-factor, or six-inch top.								
Avg ring count by sp:	DF =	8	WH =	8	SS =	0				
Leave/take tree description:		Leave trees were within "Leave Tree Area" tags, or individually painted with blue paint.								
Other conditions										

eld observations:

The fir is fairly uniform throughout the sale with very few hardwoods. A majority of the special mill timber is located in the Northwest corner of the sale.

To the West of the P-line there are several large rock outcroppings.

The Western edge and Southwest part of the sale has a large amount of think vine maple with a few small blow down pockets throughout.

There is some timber in and along the bald area between points 69 and 95. To the South of the P-line there are no tags between the sale edge and the bald area.

There is a small landing to the West of point 45. You can access this from the PH 2000. The walk out is fairly flat after you get a few hundred feet across the creek. This is the easiest way out of the bottom of the unit.

The points are one off on the Eastern edge of the sale. Point 119 on the traverse map is point 120.

Grants: <u>10</u>			
Prepared by:	Derwood D. I	Duncan III	
Title:	Forest Cruiser		

TC	TC PSPCSTGR Species, Sort Grade - Board Foot Volumes (Project)																
Τ06	T06N R02E S19 TyU1 68.00			Project: Acres	TO	68.0]	Page Date Time	7/15/20 3:33:5	004		
	C a a	% NI-4	DiE	4 A .		T . 1					Foot V			A	Average		Logs
Spp	S So Gr T rt ad	Net BdFt	Def%	t. per Ac Gross		Total Net MBF			ale Dia 12-16				ength 31-35 36-99	Ln Ft	Bd Ft	CF/ Lf	Per /Acre
DF DF DF DF	DMSM DM2S DM3S DM4S	11 67 21 1	.5 3.0 3.1	6,403 37,629 11,502 528	6,373 36,494 11,141 528	433 2,482 758 36	1 100	3 81	39 16	100 58 2	5 74	7 26	100 100 87	32 32 26 15	569 338 71 14	3.08 1.98 0.69 0.26	11.2 107.9 157.2 37.0
DF	Totals	99	2.7	56,062	54,537	3,708	1	18	29	51	2	2	96	27	174	1.29	313.4
WH WH	DM3S DM4S	97 3		550 16	550 16	37 1	100	100			100		100	32 6	85 5	0.59 0.17	6.5 3.2
WH	Totals	1		566	566	38	3	97			3		97	23	58	0.56	9.7
BM	DM4S	100	27.3	232	169	11	13	87				13	87	27	40	0.61	4.2
BM	Totals	0	27.3	232	169	11	13	87				13	87	27	40	0.61	4.2
Tota	ls		2.8	56,860	55,271	3,758	1	19	29	50	2	2	96	27	169	1.26	327.3

TC PST	FATS				OJECT S ROJECT		STICS WER			PAGE DATE 7	1 7/15/2004
TWP RGE SC TRACT			Γ	TYPE		A(CRES	PLOTS	TREES	CuFt	BdFt
06N	02E	19 TOWER		U1			68.00	63	304	S	W
					TREES		ESTIMATED TOTAL		PERCENT SAMPLE		
		PLOTS	TREES		PER PLOT	Γ	TREES		TREES		
TOTA		63	304		4.8		7.220		1.6		
REFO	COUNT REST	22	113		5.1		7,230		1.6		
COUN BLAN 100 %	IKS	41	191		4.7						
				ST	AND SUM	MARY					
		SAMPLE	TREES	AVG	BOLE	REL	BASAL	GROSS	NET	GROSS	NET
		TREES	/ACRE	DBH	LEN	DEN	AREA	BF/AC	BF/AC	CF/AC	CF/AC
DOUC		110	101.0	21.6	88	58		56,062	54,537	10,880	10,875
WHEN BL MA	MLOCK	2 1	3.2 2.1	14.0 15.0	78 57	1	3.5 2.6	566 232	566 160	125 70	125 70
TOTA		113	106.3	21.3	87		262.7	56,860	169 55,271	11,075	11,070
1012	AL	COEFF		21.3	SAMPL	r TDEE			OF TREES		NF. POP.
SD:	1	VAR.	S.E.%	1	LOW	e ikee. AVG	э- ьг HIGH	#	7	REQ. I	Nr. FOF. 9
DOUG		77.2	7.3		785	846	908		1	o	7
	MLOCK	748.6	70.4		1	3	5				
BL M	APLE	1063.0	100.0		0	1	1				
TOTA	A L	76.3	7.2		789	850	911		119	91	72
		COEFF			SAMPL	E TREE	S - CF	#	OF TREES	REO. I	NF. POP.
SD:	1	VAR.	S.E.%]	LOW	AVG	HIGH		7	8	9
DOUC	3 FIR	70.2	6.6		152	163	173				
WHEN	MLOCK	748.5	70.4		0	1	1				
BL M		1063.0	100.0			0	1				
TOTA	AL	69.0	6.5		153	164	174		97	74	59
		COEFF			TREES/			#	OF PLOTS	•	NF. POP.
SD:	1	VAR.	S.E.%]	LOW	AVG	HIGH		7	8	9
DOUC		43.3	5.5		95	101	106				
BL M	MLOCK	479.5 587.8	60.4 74.1		1 1	3 2	5 4				
TOTA		48.7	6.1		100	106	113		48	37	29
		COEFF			BASAL				OF PLOTS		NF. POP.
SD:	1	VAR.	S.E.%	1	LOW	AKEA/A AVG	HIGH	#	7	KEQ. I	Nr. POP. 9
DOUG		33.3	3.E.% 4.2		246	257	267		/	O	9
	MLOCK	479.5	60.4		1	3	6				
BL M		587.8	74.1		1	3	5				
TOTA	AL_	35.6	4.5		251	263	275		26	20	16
		COEFF	<u> </u>		NET BF	/ACRE		#	OF PLOTS	REQ. I	NF. POP.
SD:	1	VAR.	S.E.%]	LOW	AVG	HIGH		7	8	9
DOUC		33.8	4.3			54,537	56,859				
	MLOCK	479.5	60.4		224	566	908				
BL MA		587.8 <i>35.0</i>	74.1 <i>4.4</i>		44 52,837 5	169 5,271	294 57,705		25	19	15
1017	3L/										
SD:	1	COEFF VAR.	S.E.%	1	NET CU LOW	AVG	HIGH	#	OF PLOTS	KEQ. I	NF. POP. 9
DOUG		33.5	3.E.% 4.2			10,875	11,334		1	0	9
	MLOCK	479.5	60.4		49	125	200				
BL M		587.8	74.1		18	70	121				
TOTA	A L	35.1	4.4		10,580 1	1,070	11,560		25	19	15

TC PS	STATS			PROJECT PROJECT	STATISTICS TOWER		_	PAGE DATE 7	2 /15/2004
TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
06N	02E	19	TOWER	U1	68.00	63	304	S	W

TC PSPCTLTCM Species Summary - Trees, Logs, Tons, CCF, MBF											
T06N R02E S19 TyU1	68.0			oject T(eres	OWER 68.00			Page Date: Time	7/15/20		
s	Total	Total	Total	Total Net Cubic Ft/ CF/ Total C		CCF	CF Total MBI				
Species T	Trees	Logs	Tons	Tree	Log	LF	Gross	Net	Gross	Net	
DOUG FIR	6,866	21,310	21,086	107.71	34.70	1.33	7,399	7,395	3,812	3,708	
WHEMLOCK	220	660	272	38.61	12.87	0.56	85	85	38	38	
BL MAPLE	144	287	126	33.00	16.50	0.61	48	47	16	11	
Totals	7,230	22,257	21,483	104.12	33.82	1.30	7,531	7,527	3,866	3,758	

	Wood Type	Total	Total	Total	Net Cubic Ft/		CF/	CF/ Total CCF		Total MBF	
	Species	Trees	Logs	Tons	Tree	Log	LF	Gross	Net	Gross	Net
С		7,086	21,970	21,358	105.56	34.05	1.31	7,483	7,480	3,851	3,747
Н		144	287	126	33.00	16.50	0.61	48	47	16	11
	Totals	7,230	22,257	21,483	104.12	33.82	1.30	7,531	7,527	3,866	3,758